

Figure 1 consists of five panels (a-e) illustrating the relationship between rank and various metrics for SO1 and SO2.

- Panel a:** Intensity-Backg ($\times 10^4$) vs Ranks in SO1. The curve starts at approximately 6.5 for rank 0 and decreases to 0 by rank 2500.
- Panel b:** $\log(\text{Intensity-Backg})$ vs Ranks in SO1. The curve starts at approximately 11.5 for rank 0 and decreases to 0 by rank 2500.
- Panel c:** $f(x)$ vs Ranks in SO1. The curve starts at approximately 0.05 for rank 0, decreases to a minimum of about 0.01 at rank 1000, and then increases to about 0.02 at rank 2500.
- Panel d:** $\log(\text{Intensity-Backg})$ vs Ranks in SO2. The curve starts at approximately 11.5 for rank 0 and decreases to 0 by rank 2500.
- Panel e:** $\log(\text{Intensity-Backg})$ vs Ranks in SO1 and SO2. The curve shows a sharp drop from rank 0 to rank 2500, followed by a plateau. The region from rank 0 to 2500 is labeled "Nondifferentiable" and "Spots". The region from rank 2500 to 4000 is labeled "Differentiable". The region from rank 2500 to 4000 is also labeled "Spots". The region from rank 2500 to 4000 is also labeled "Rank \geq CR in SO1 and/or SO2".

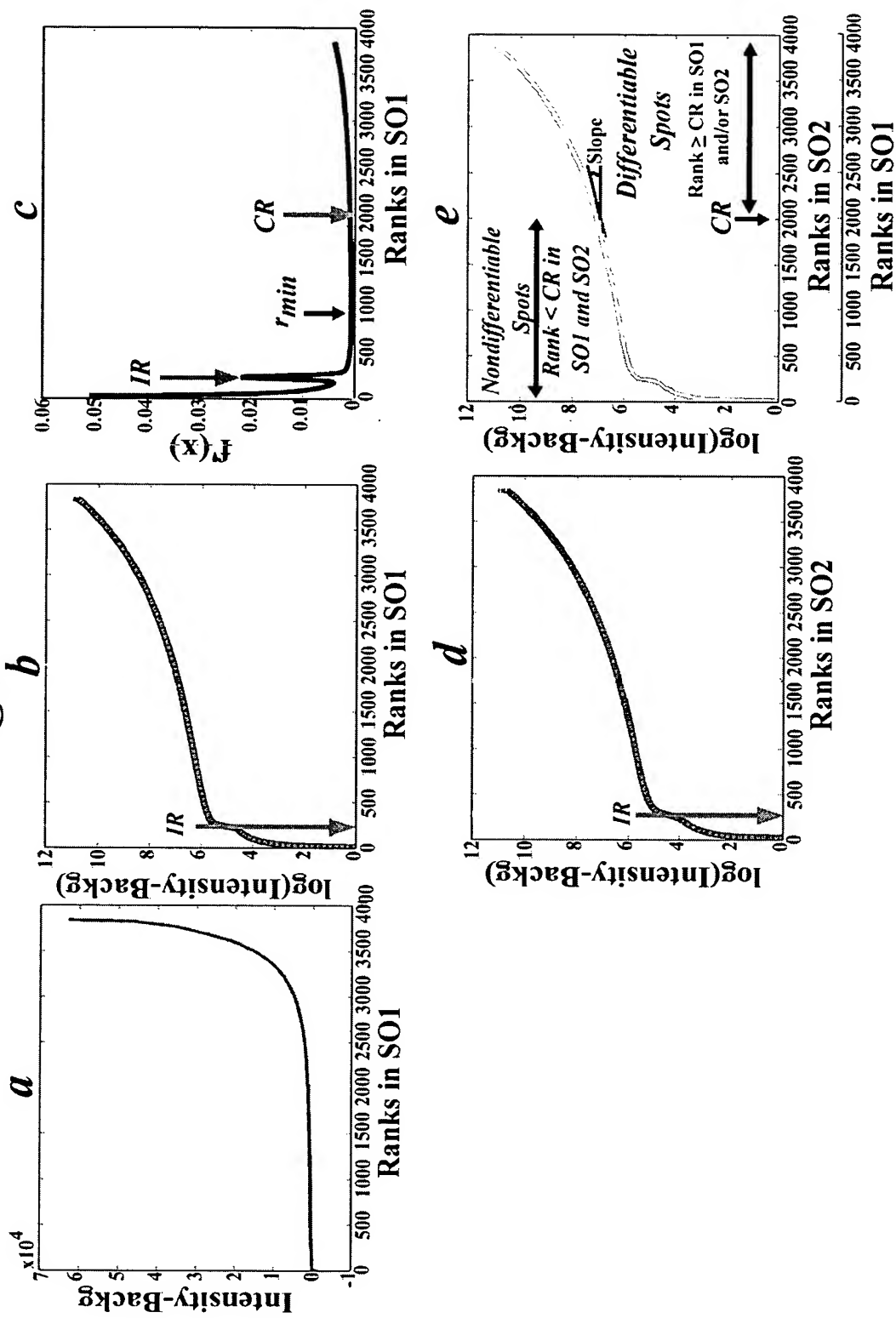


Figure 2

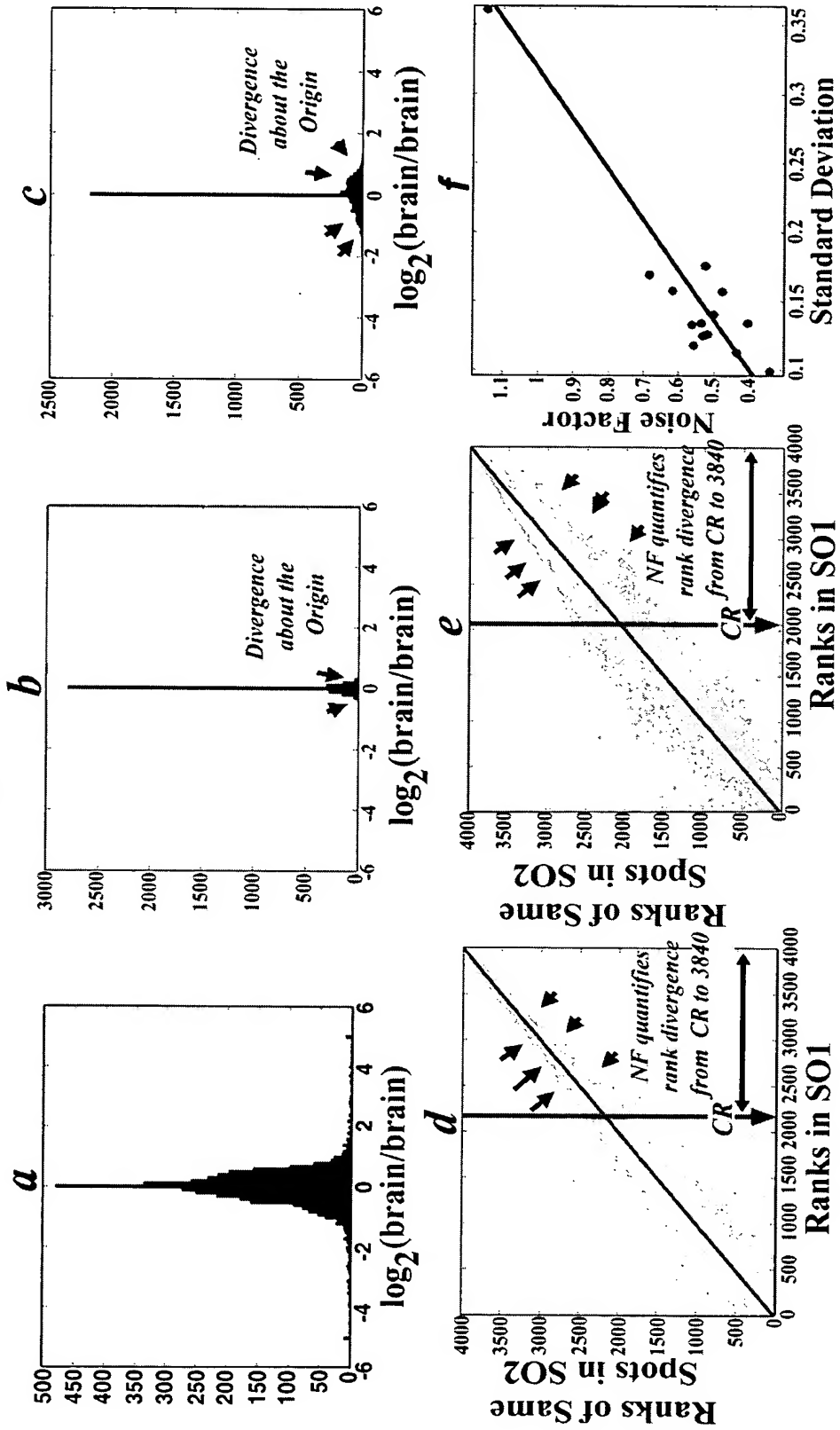


Figure 3

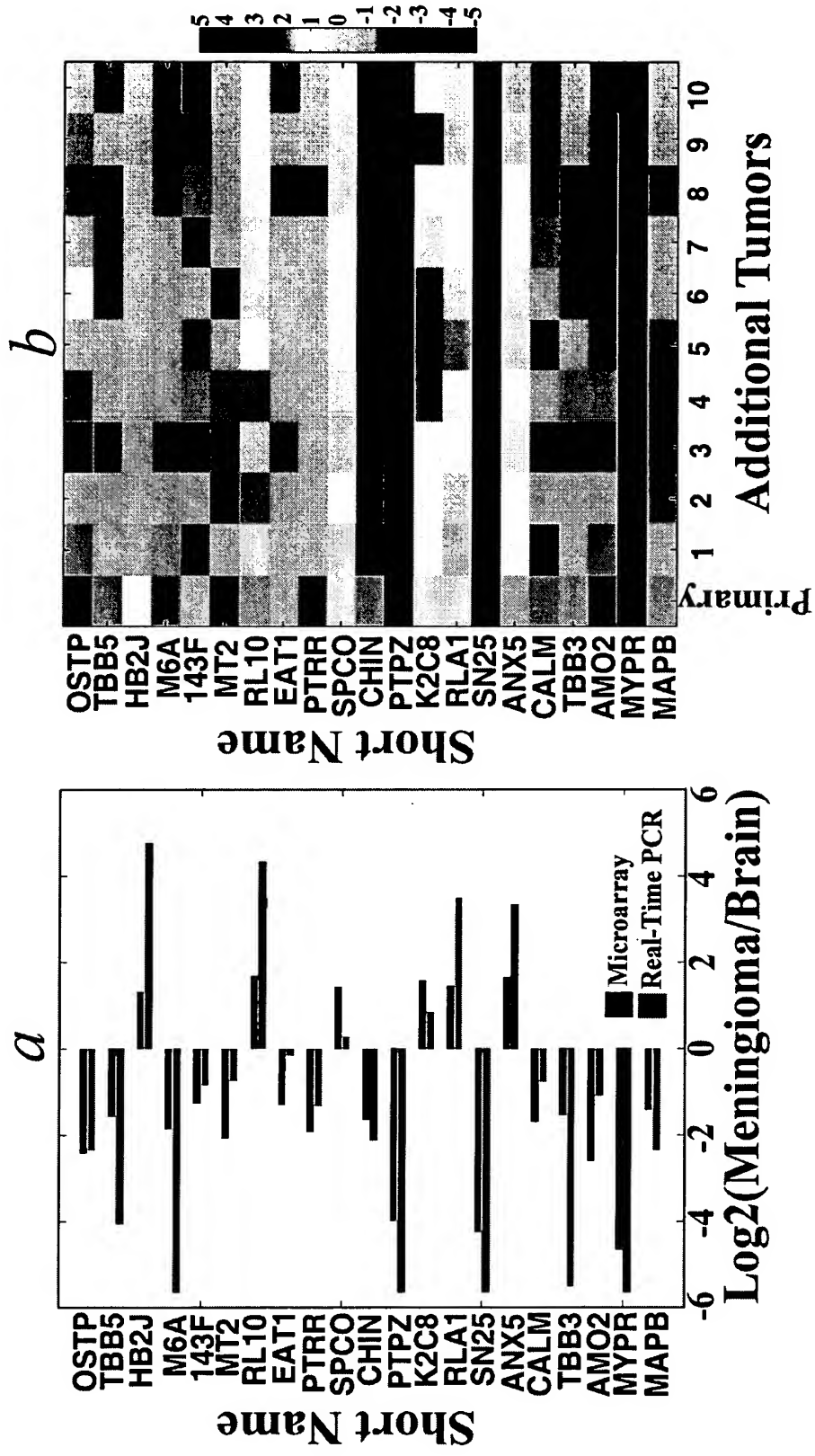


Figure 4

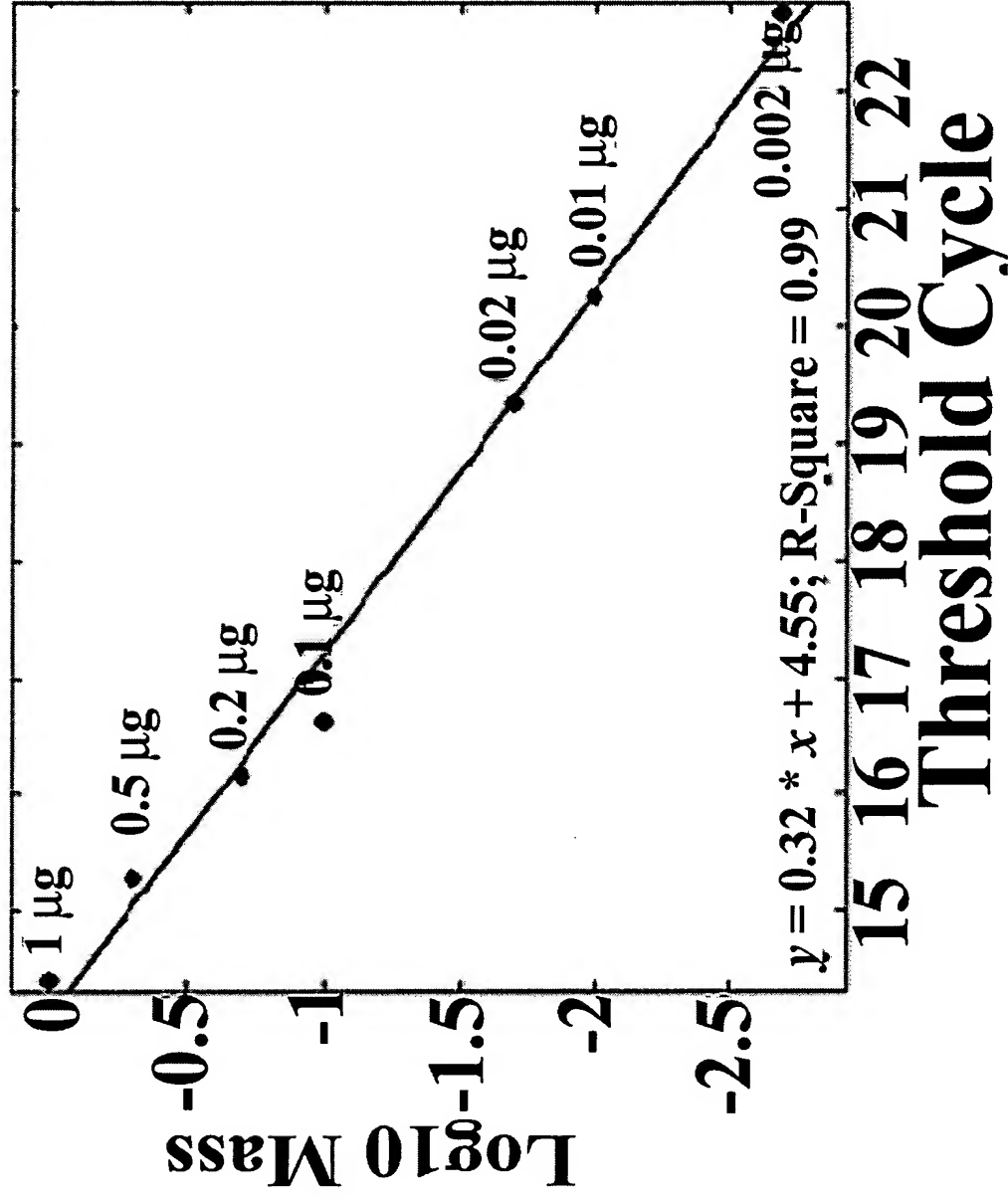


Figure 5

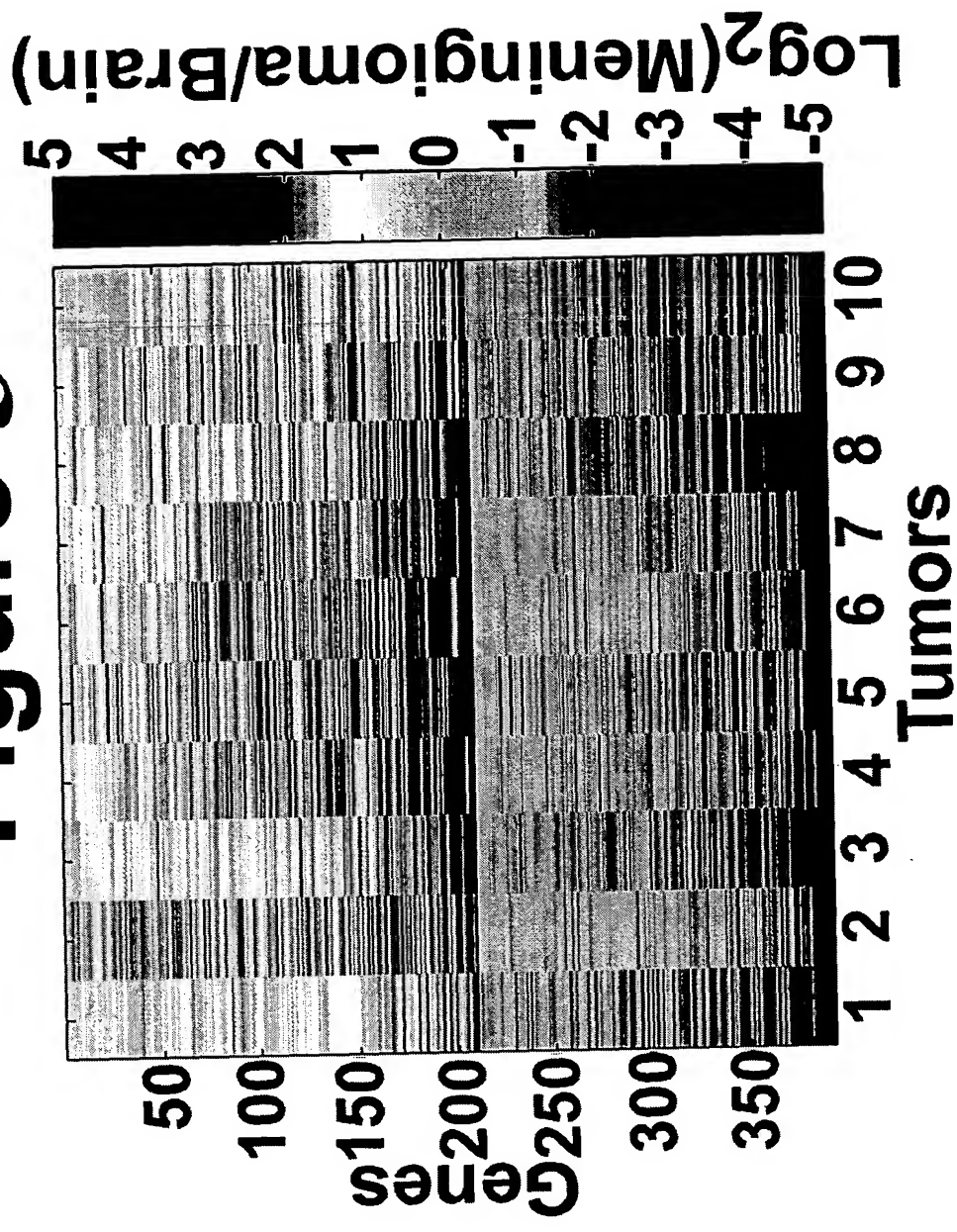


Figure 6

